Mr. Chris Judt
P & J Industries
1492 Gerber Street
Ligonier, IN 46767

Re: 113-12429
Notice-only change to
MSOP 113-11696-00056

Dear Mr. Judt:

P & J Industries was issued a permit on May 16, 2000 for a decorative hexavalent chromium electroplating operation. A letter notifying the Office of Air Management of the addition of a new decorative hexavalent chrome plating tank line was received on June 28, 2000. The new emission units are the same type that are already permitted and will comply with the same applicable requirements and permit terms and conditions as the existing emission units. In addition, the potential to emit of chromium is less than ten (10) tons per year. Therefore, pursuant to 326 IAC 2-6.1-6(d)(13) a notice-only change is required. The permit is hereby revised as follows (changes are crossed out and bolded for emphasis):

1. Section A.2, Emission Units and pollution Control Summary listed on page 4 of 27, is revised as follows to reflect the addition of the new chrome tank line (changes are crossed out and bolded for emphasis):

A.2 Emissions units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

One (1) Decorative Chromium Electroplating Operation consisting of:

(a) ~~Two (2)~~ **Three (3)** decorative chromium electroplating tanks, identified as DC-1 and DC-2 **and DC-3**, using a hexavalent chromium bath, equipped with a foam blanket suppressant, ~~and exhausting to one (1)~~ **where DC-1 and DC-2 exhausts to one (1)** stack, identified as SC-1 **and DC-3 exhausts to one (1) stack, identified as SC-2**;

(b) Two (2) activator tanks;

(c) Two (2) stick tanks;

(~~b~~**d**) One (1) natural gas fired boiler identified as Boiler 1, with a maximum heat input rate of 2.65 million (MM) British thermal units (Btu) per hour, and exhausting through stack B-1;

(~~c~~**e**) One (1) natural gas fired Air Makeup Unit identified as AMU-1, with a maximum heat input rate of 4 MMBtu per hour;

(~~d~~**f**) One (1) natural gas fired Sludge Dryer identified as SD-1, with a maximum heat input rate of 0.45 MMBtu per hour, and exhausting through stack SD-1; and

(~~e~~**g**) Four (4) natural gas fired Space Heaters identified as SH-1, SH-2, SH-3 and SH-4, each with a maximum heat input rate of 0.085 MMBtu per hour, and exhausting through stacks SH-1, SH-2, SH-3 and SH-4, respectively.

2. Section D.1, Facility Description listed on page 14 of 27, is revised as follows to reflect the addition of the new chrome tank line (changes are crossed out and bolded for emphasis):

(a) ~~Two (2)~~ **Three (3)** decorative chromium electroplating tanks, identified as DC-1 and DC-2 **and DC-3**, using a hexavalent chromium bath, equipped with a foam blanket suppressant, ~~and exhausting to one (1)~~ **where DC-1 and DC-2 exhausts to one (1)** stack, identified as SC-1 **and DC-3 exhausts to one (1) stack, identified as SC-2**;
(b) Two (2) activator tanks; and
(c) Two (2) stick tanks.

3. Section D.2, Facility Description listed on page 22 of 27, is revised as follows to reflect the re-lettering of the section (changes are crossed out and bolded for emphasis):

Facility Description [326 IAC 2-7-5(15)]:
(~~c~~**d**) One (1) natural gas fired boiler identified as Boiler 1, with a maximum heat input rate of 2.65 million (MM) British thermal units (Btu) per hour, and exhausting through stack B-1;
(~~d~~**e**) One (1) natural gas fired Air Makeup Unit identified as AMU-1, with a maximum heat input rate of 4 MMBtu per hour;
(~~e~~**f**) One (1) natural gas fired Sludge Dryer identified as SD-1, with a maximum heat input rate of 0.45 MMBtu per hour, and exhausting through stack SD-1; and
(~~f~~**g**) Four (4) natural gas fired Space Heaters identified as SH-1, SH-2, SH-3 and SH-4, each with a maximum heat input rate of 0.085 MMBtu per hour, and exhausting through stacks SH-1, SH-2, SH-3 and SH-4, respectively.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Nysa L. James, at (800) 451-6027, press 0 and ask for Nysa L. James or extension (3-6875), or dial (317) 233-6875.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
NLJ
cc: File - Noble County
U.S. EPA, Region V
Noble County Health Department
Northern Regional Office
Air Compliance Section Inspector Doyle Houser
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR MANAGEMENT

P & J Industries, Inc.
1492 Gerber Street
Ligonier, Indiana 46767

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 113-11696-00056	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: May 16, 2000
First Notice Only Change: 113-12429	Pages Affected: 4, 14 and 22
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary Decorative Hexavalent Chromium Electroplating manufacturing facility.

Authorized Individual:	Chris Judt
Source Address:	1492 Gerber Street, Ligonier, Indiana 46767
Mailing Address:	1492 Gerber Street, Ligonier, Indiana 46767
Phone Number:	(219) 894-7143
SIC Code:	3471
County Location:	Noble
County Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Minor Source, under PSD or Emission Offset Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Emissions units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

One (1) Decorative Chromium Electroplating Operation consisting of:

(a) Three (3) decorative chromium electroplating tanks, identified as DC-1 and DC-2 and DC-3, using a hexavalent chromium bath, equipped with a foam blanket suppressant, where DC-1 and DC-2 exhaust to one (1) stack, identified as SC-1 and DC-3 exhausts to one (1) stack, identified as SC-2;

(b) Two (2) activator tanks;

(c) Two (2) stick tanks;

(d) One (1) natural gas fired boiler identified as Boiler 1, with a maximum heat input rate of 2.65 million (MM) British thermal units (Btu) per hour, and exhausting through stack B-1;

(e) One (1) natural gas fired Air Makeup Unit identified as AMU-1, with a maximum heat input rate of 4 MMBtu per hour;

(f) One (1) natural gas fired Sludge Dryer identified as SD-1, with a maximum heat input rate of 0.45 MMBtu per hour, and exhausting through stack SD-1; and

(g) Four (4) natural gas fired Space Heaters identified as SH-1, SH-2, SH-3 and SH-4, each with a maximum heat input rate of 0.085 MMBtu per hour, and exhausting through stacks SH-1, SH-2, SH-3 and SH-4, respectively.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:
One (1) Decorative Chromium Electroplating Operation consisting of:
(a) Three (3) decorative chromium electroplating tanks, identified as DC-1and DC-2 and DC-3, using a hexavalent chromium bath, equipped with a foam blanket suppressant, where DC-1 and DC-2 exhaust to one (1) stack, identified as SC-1 and DC-3 exhausts to one (1) stack, identified as SC-2;
(b) Two (2) activator tanks; and
(c) Two (2) stick tanks.
(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(1)]

D.1.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 63, Subpart N.

D.1.2 Chromium Electroplating and Anodizing NESHAP [326 IAC 20-8-1] [40 CFR Part 63, Subpart N]

The provisions of 40 CFR 63, Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, which are incorporated by reference as 326 IAC 20-8-1, apply to tanks DC-1 and DC-2. A copy of this rule is attached.

D.1.3 Chromium Emissions Limitation [40 CFR 63.342(c)] [40 CFR 63.343(a)(1)&(2)]

(a) The emission limitations in this condition apply only during tank operation, and also apply during periods of startup and shutdown as these are routine occurrences for tanks subject to 326 IAC 20-8-1. The emission limitations do not apply during periods of malfunction.

(b) During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from tanks DC-1 and DC-2 by:

(1) Not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed one-hundredth milligrams of total chromium per dry standard cubic meter of ventilation air (0.01 mg/dscm) [equivalent to four and four-tenths times ten raised to the power of negative six grains of total chromium per dry standard cubic foot of ventilation air ($4.4x10^{-6}$ gr/dscf)]; or

(2) Not allowing the foam blanket thickness of the anodizing bath contained within the tank to be less than two and fifty-four hundredths centimeters (2.54 cm) [equivalent to one inch (1 in)] at any time during operation of tanks DC-1 and DC-2 when a foam blanket is used.

SECTION D.2 Emissions unit OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(d) One (1) natural gas fired boiler identified as Boiler 1, with a maximum heat input rate of 2.65 million (MM) British thermal units (Btu) per hour, and exhausting through stack B-1;

(e) One (1) natural gas fired Air Makeup Unit identified as AMU-1, with a maximum heat input rate of 4 MMBtu per hour;

(f) One (1) natural gas fired Sludge Dryer identified as SD-1, with a maximum heat input rate of 0.45 MMBtu per hour, and exhausting through stack SD-1; and

(g) Four (4) natural gas fired Space Heaters identified as SH-1, SH-2, SH-3 and SH-4, each with a maximum heat input rate of 0.085 MMBtu per hour, and exhausting through stacks SH-1, SH-2, SH-3 and SH-4, respectively.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards

D.2.1 Particulate Matter Limitation (PM) [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate emission limitations for sources of indirect heating), particulate emissions from the one (1) 2.65 MMBtu/hr natural gas fired boiler used for indirect heating purposes which was constructed after September 21, 1983, shall in no case exceed 0.6 pounds of particulate matter per million British thermal units heat input.

D.2.2 Natural Gas Fuel

The one (1) boiler (Boiler 1) rated at 2.65 MMBtu per hour, shall use only natural gas fuel.